

L 16745-66

ACC NR: AP6003637

ary systems. On the ternary diagram of Cd-In-As, the approximate positions of the following three eutectics are indicated: E_1 -(In + Cd + InAs), E_2 -(Cd + Cd_3As_2 + InAs), and E_3 -(Cd_3As_2 + $CdAs_2$ + InAs). Also shown is the position of the hypothetical ternary eutectic E_4 -($CdAs_2$ + InAs + As). It is concluded that the formation of extensive regions of solid solutions, with the exception of a small region based on In, is improbable in the In-Cd system. Orig. art. has: 5 figures.

SUB CODE: 07/ SUBM DATE: 11Nov64/ ORIG REF: 000/ OTH REF: 006

Card 2/2 vmb

L-16744-66 EMT(m)/EMP(t) TJP(c) JN
ACC NRT AP6003638

SOURCE CODE: UR/0078/65/010/010/2320/2323

AUTHOR: Luzhnaya, N. P.; Medvedeva, Z. S.; Koppel, Kh. D.

28
B

ORG: none

TITLE: Reaction of indium arsenide with cadmium iodide

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 10, 1965, 2320-2323

TOPIC TAGS: cadmium compound, arsenide, iodide, indium compound

ABSTRACT: The reaction between InAs and CdI₂ was studied at 1000°C. Thermal analysis of 18 different compositions of InAs-CdI₂ mixtures was performed and the data were used to plot a phase diagram of the InAs-CdI₂ system. Microstructural analysis showed the presence of two layers, with different properties, caused by phase separation in the liquid state. It also showed the presence of two phases in each layer. X-ray and chemical analysis showed that the lower layer consisted of InAs and CdAs₂ and the upper layer of CdI₂ and InI. The data indicated that the reaction of InAs with CdI₂ occurs in accordance with the reaction 2InAs + CdI₂ ⇌ 2InI + CdAs₂ whose equilibrium shifts neither left nor right. This system should not be seen as a binary system but rather as

UDC: 546.682'19 + 546.48'151

Card 1/2

L 16744-66

ACC NR: AP6003638

a section of a more complex system, e. g., Cd-In-As-I. Since this reaction involves substances with an appreciable proportion of covalent bond character (InAs and particularly CdAs₂) and the interaction of the components causes a redistribution of electrons, the system is not a reciprocal ternary system. Phase separation occurs apparently because indium and cadmium arsenides differ markedly from indium and cadmium iodides in the type of chemical bonding. Orig. art. has: 5 figures.

SUB CODE: 07/ SUBM DATE: 21Nov64/ ORIG REF: 002/ OTH REF: 003

Card 2/2 vmb

SERDYUK, V.; KOPPEL', R.; BELOVA, A.; AKOSTA, S.; FISENKO, G.

Progressive method for issuing credit. Den. i kred. 16 no.6:11-18
Je '58. (MIRA 11:7)
(Credit)

SEREBRYANYY, M.; KOPPEL', R.

Issuing credit on the turnover of chemical plants. Den. i
kred. 17 no.3:57-59 Mr '59. (MIRA 12:4)
(Chemical industry--Finance)

KOPPEL, Rudolf

Influence of the rigidity of the main beams on the stress of
the floor plates. Budown Gliwice no. 9:25-44 '63.

1. Katedra Budowy Mostow, Politechnika, Gliwice.

KOPPEL' , S.D.

"Determination of the Amount of Work Therapy During Chronic Schizophrenia."
Cand Med Sci, Tartu State U, Tartu, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (14)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPPEL¹, V., inzh.

"Stroitel" advises. Stroitel' no.7:29 Jl '58.
(Building)

(MIRA 11:9)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"

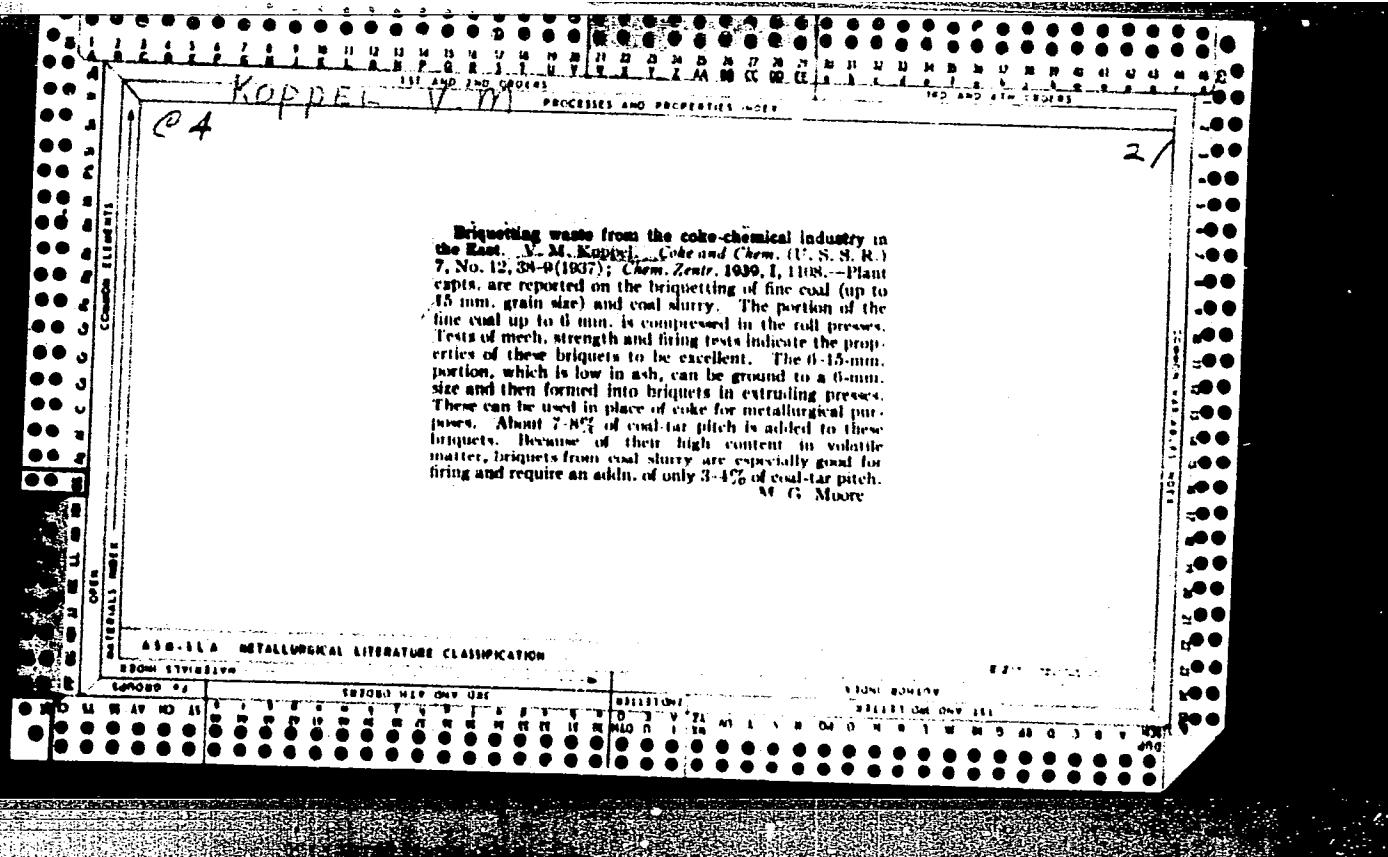
KOPPEL', V.

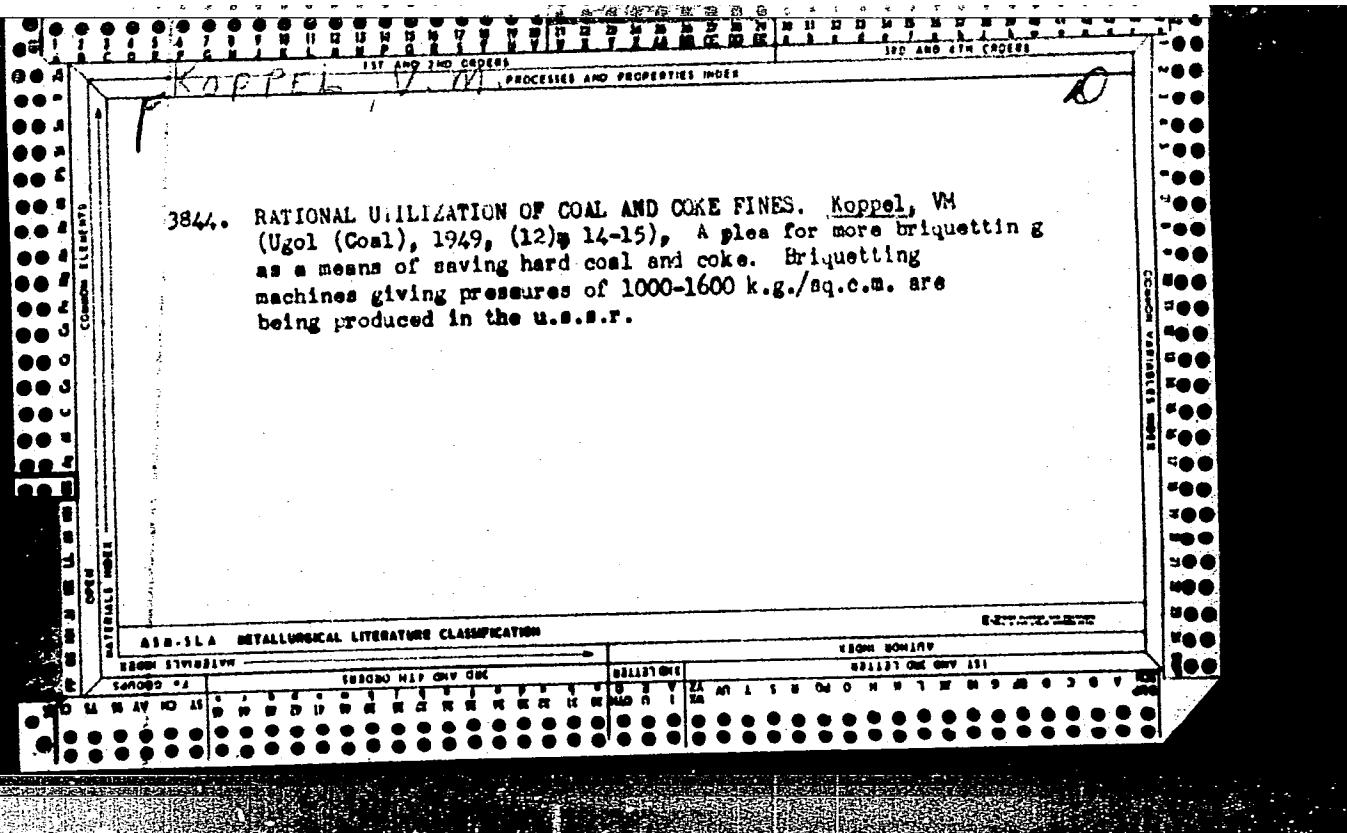
Determining the moisture content of sand. Stroitel' no.5:31
My '61. (MIRA 14:6)
(Sand)

POLONY,R.; VRTYAK, O. Ya.; KOPPEL, Z.; AVGUSTINSKIY, V.

Characteristics of the course of rabies in a province. Veterinaria 39 no.5:63-65 My '62
(MIRA 18:1)

1. Veterinarnaya bakteriologicheskaya laboratoriya i veterinarnyy fakul'tet, Koshitse.





KÖPPEL¹, V. M., ENG.

Gas Meters

Oxygen meter model RK-20. Rab. energ. 2 no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

STRICKER, F.; GRUNERT, Z.; KARELLOVA, J.; KOPPEL, Z.

Incidence of listeriosis in animals in Czechoslovakia. Cesk. epidem. mikrob. imun. 5 no.5:236-238 Sept 56.

1. Statny vedecky veterinary ustav, Bratislava a pobocka Kosice.
(LISTERIA, infect.
in animals, incidence in Czech. (Cz))
(ANIMALS, dis.
listeriosis, incidence in Czech. (Cz))

POLONY, R., VRTYAK, O. YA., KOPPEL, Z. and AVGUSTINSKIY, V. (Veterinary
Bacteriological Laboratory and Veterinary Faculty, Kosice, Czechoslovakia)

"Nature of the course of rabies in one district"

Veterinariya, vol. 39, no. 5, May 1962 p. 63

KOPPEL, Z.

(3)

CZECHOSLOVAKIA

KOPPEL, Z., DVM; BELOBRAD, G; BOGDAN, J; PAUER, T.

Kosice (for all)

Prague, Veterinarstvi, No 3, 1963, pp 125-127

"Evaluation of Occurrence of Hemolytic Variants of
E. coli in Dead Pigs."

FARKAS, K.; KOPPENSTEIN, E.

Examination of lung tumors by puncture. Nagy. radiol. 4 no. 4:145-
154 Nov 1952.
(CLML 24:1)

1. Doctors. 2: Department of Pathological Anatomy (Head Physician --
Prof. Dr. Karoly Farkas) and Roentgen Department (Head Physician --
Prof. Dr. Erno Koppenstein), Izsoki-utca Metropolitan Hospital.

KOPPENSTEIN, E.

Roentgen therapy of lung cancer. Orv. hetil. 93 no. 43:1237-
1239 26 Oct 1952.
(CIML 23:5)

1. Doctor. 2. Roentgen Department (Head Physician -- Dr. Erno
Koppenstein), Uzsokai-utca Metropolitan Hospital (Director -- Dr.
Istvan Halasz).

KOPPENSTEIN, E.

Five years experiences in connection with our x-ray ward. Magy. radiol.
5 no.1:35-38 Feb 1953. (CLML 24:3)

1. Doctor. 2. Roentgen Department, Ussoki-utca Metropolitan Hospital.

FARKAS, K.; KOPPENSTEIN, M.; PRIKKEL, A.

Diagnosis of lung tumors by lung puncture. Orv. hetil. 94 no. 10: 253-256
8 Mar 1953.
(CLML 24:4)

1. Doctors. 2. Uzsoki-utca Metropolitan Hospital (Director -- Dr.
Istvan Halasz).

KOPPENSTEIN, Erno, dr.; POLACSI, Valeria, dr.

Correct position of perineal region in radiotherapy. Magy. radiol.
6 no.2:85-87 Apr 54.

1. Fov. Uzsoki-utcai korhaz (igazgato: Farkas Karoly, dr., az
orvostudomanyok kandidatusa) Rontgen-osztalyanak (foorvos: Koppenstein
Erno dr. az orvostudomanyok kandidatusa) Kozlemenye.
(PERINEUM, neoplasms
radiother., correct position)
(RADIOTHERAPY, in various dis.
cancer of perineal region, correct position)

FARKAS, Karoly, dr.,; KOPPENSTEIN, Erno, dr.

Diagnosis of thoracic tumors and aneurysms. Orv. hetil. 96 no.14:
384-386 3 Apr 55.

1. A Fovarosi Uzsoki utcai Korhaz Korszovettani- es Rontgenosztalyanak
kozlemenye.

(THORAX, neoplasms

diag., puncture, indic.)

(AORTIC ANEURYSM, diagnosis
puncture, indic)

(PUNCTURES

diag. of aortic aneurysm & thoracic tumors, indic.)

PARKAS, Karoly, dr.; KOPPMERSTEIN, Zsuzsanna, dr.

Silent lung abscesses simulating cancer. Orv. hetil. 96 no.33:
912-915 14 Aug 55.

1. A Fovarosi Uzsoki utcai Korhaz Korbonctani es Rontegnoseztalyanak
koslemenye.
(LUNG, abscess
silent, simulating cancer, diag. (Hun))
(ABSCESSES,
lung, silent, simulating cancer, diag. (Hun))

KOPPENSTEIN, Erno

Partial paralysis of the diaphragm. Magy. radiol. 8 no.4;
198-204 Nov 56.

1. Az Ussoki utcai Korhas Rontgenosztalyanak koslemenye.
(LUNG NEOPLASMS, compl.
unilateral paralysis of diaphragm, x-ray diag. (Hun))
(DIAPHRAGM, paralysis
unilateral, in lung cancer, x-ray diag. (Hun))

KOPPENSTEIN, Erno, dr.

Divided and double diaphragmatic contours. Orv. hetil. 98
no.10-11:260-262 17 Mar 57.

1. Az Uzsoki utcai Korhaz Rontgenosztalyanak kozlemenye.
(DIAPHRAGM, radiography
divided & double contours, origin & significance (Hun))

KOPPENSTEIN, Erno, dr.

The concave diaphragm. Orv. hetil. 98 no.10-11:263 17 Mar 57.

1. Az Uzsoki utcai korhaz rontgenosztalyanak kozlemenye.
(DIAPHRAGM, radiography
concave contour in aged (Hun))

KOPPENSTEIN, Erno, dr.

Differentiation between carcinoma and cysts of the lungs. Magy
radiol. 13 no. 5:279-284 S '61.

1. A Budapesti Uzsoki uteai korhaz Rontgenosztalyarak kozlemenye.
(LUNG NEOPLASMS diagn.) (LUNG DISEASES diag.)

✓ Medical aspects of professional chronic saturnism. A. Clinical symptomatology. F. Köppisch, A. Herşcovici, and N. Feles. Acad. rep. bohulare Române, Filiala Clin. Studii cercetări clin. 3, No. 1/2, 339-5 ((1952).—Clinical and laboratory tests were carried out on 295 workers employed in the extractive Pb industry and similar tests on 40 workers not exposed to Pb inhalation for control. One group showed pos. signs of saturnism (I), a 2nd probable signs of I, and a 3rd no signs of I. The chronic professional signs of I are particularly assoc. with nervous and vascular disturbances and to a lesser extent with digestive ones. The subjective symptoms are: dizziness, physical weakness, arthralgia, myalgia, paresthesia, and impotency. The objective symptoms are: gingival lesions, hepatomegaly, arterial hypertension, hematuria, and urobilinogenuria. B. Clinical dynamics and stages in the development of the professional chronic saturnism. F. Köppisch, N. Feles, and A. Herşcovici. Ibid. 355-69.—In the development of chronic saturnism 4 periods were observed. In the 1st period (between 3 and 6 months) the organism not having been exposed previously to Pb poisoning shows the following symptoms: cephalalgia, anorexia, loss of wt., hepatomegaly, and urobilinogenuria. In the 2nd period (between 6 and 12 months) there is an adaptation of the organism and a slight regress of the phenomena in the 1st period. The 3rd period (between 1 and 10 years) represents already the stage of chronic saturnism with acute digestive pains and with various nervous and vascular symptoms. The period beyond 10 years is characterized by encephalitis and pebritis. E. M.

RUSSIAN/Human and Animal Physiology - Liver.

T-8

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31905
Author : Koppich Francisc, Blanc Golda, Tudor Rodica
Inst :
Title : Investigation of the Clinical Value of the Bromosulphthalein Test for Diseases of the Liver.
Orig Pub : Viata med., 1957, 4, No 7, 34-51.
Abstract : On the basis of results of 309 tests in 225 patients with afflictions of the liver and bile tracts, the authors recommend the bromosylphthalein test as a simple, safe and sensitive test in doubtful cases and during unclear results of tests of the lability of albumins.

Card 1/1

- 84 -

KOPPICH, F., Conf.; BLANC, G., dr.; GHIORGHESCU, B., dr.

Study of certain nervous manifestations of the hepatic disease,
hepato-portal encephalopathy. Med. int., Bucur. 9 no.2:254-264
Feb 57.

1. Lucrare efectuata in Clinica a V-a medicala I.M.F., Bucuresti.
(LIVER DISEASES
hepatic coma, pathogen. & ther., glutamic acid)
(COMA
hepatic, pathogen. & ther., glutamic acid)
(GLUTAMATES, ther. use
glutamic acid in hepatic coma)
(CENTRAL NERVOUS SYSTEM, diseases
hepato-portal encephalopathy, with hepatic coma,
pathogen. & ther.)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

EXCEPȚA MEDICĂ Sec 6 Vol 13/7 Internal Med. July 50

3567. THE CLINICAL VALUE OF THE ELECTROPHORETIC PATTERN IN
CHRONIC AFFECTIONS OF THE LIVER - Valoarea clinică a spectrului
electroforetic în afecțiunile hepatice cronice - Koppisch F., Blanc G.
and Tudor R. Clin. și V-a Med. I. M. F. București - MED. INTERNA
(București) 1958, 10/2 (199-212) Graphs 4 Tables 3

This work refers to 113 patients, for the greater part suffering from hepatic diseases (convalescence after acute hepatitis 11, chronic hepatitis 53, hepatic cirrhosis 17, etc.). The electrophoresis was carried out according to Grossmann-

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CIA-RDP86-00513R000824510020-9"

3567

Hannig's method. At the same time, the blood-protein level was determined (gravimetrically) and dysproteinæmia and BSP tests were carried out. The γ/α ratio was studied. In the post-hepatitic state, a slight fall in albumins with a moderate rise in γ -globulins was noticed. In chronic hepatitis, reduced albumin levels with hypergammaglobulinaæmia and a marked increase of the γ/α ratio (0.77 on the average) were obtained. Hepatic cirrhosis was characterized by a considerable fall in albuminaæmia, with a very marked increase in the γ/α ratio (1.20 on the average). In obstructive jaundice, the rise mainly affected the α_2 -globulin fraction, whereas in chronic hepatitis and in cirrhosis, this fraction remained particularly stable. In conclusion, the electrophoretic picture does not seem to characterize any nosological entity; however, stress is laid on the rise in α_2 -globulins in the course of obstructive jaundice. As compared with the dysproteinæmia tests, with which the electrophoretic changes run parallel in the course of chronic hepatitis and cirrhosis, electrophoresis gives a much more accurate picture of the metabolic disturbances.

Nicolaeșco - Bucharest

KOPPICH, F., dr.; GEORGESCU, I. St., dr.; KARASSI, A., dr.;
BLANC, Golda, dr.

Contribution to the classification of the clinical forms of
chronic post-virotic hepatitis. Med. intern. 15 no.10:1207-
1217 '63.

1. Lucrare efectuata in Clinica medicala "I.C. Frimu", Bucuresti
(director: prof. C. Gh. Dimitriu).

(HEPATITIS) (HEPATITIS, INFECTIOUS)
(CLASSIFICATION) (JAUNDICE, OBSTRUCTIVE)
(SPLENOmegaly) (CHOLANGITIS)

KOPPICH, Fr., dr.

The notion of postviral chronic hepatitis and its definition.
Fundamental components of the idea. Med. intern. (Bucur.) 17
no.4:385-392 Ap '65.

1. Lucrare efectuata in Clinica medicala a Spitalului de urma, Institutul medico-farmaceutic Bucuresti (director: prof. C.Gh. Dimitriu).

KOPPL, L.

Some principles and problems of general regulation of wholesale
prices. Chem prum 13 no.9:464-467 S '63.

1. Ministerstvo chemickeho prumyslu, Praha.

KOPPL, Lad., Dr.

Use of procaine and the blood coagulation balance. Cas. lek.
cesk. 94 no.42:1133-1135 14 Oct 55.

l. I. chirurg. klin. Prednosta akademik A. Hirasek.
(BLOOD COAGULATION, effect of drugs on
procaine, intravenous admin.)
(PROCAINE
intravenous admin., eff. on blood coagulation.)

ZELENKA, Jiri, MUDr.; KOPPL, J., MUDr.; NAJEMNIK, Dr.; STAREK, Dr.

Polymyxin and erythromycin in pediatric practice. Cesk. pediat.
11 no.4:297-302 Apr 56.

1. Z detsko-koj. odd. OUMZ v Chebu, primar MUDr. Jiri Zelenka,
z Karlovy Vary, primar MUDr. J. Koppl.

(ERYTHROMYCIN, therapeutic use,
pediatric dis. (Cz))

(ANTIBIOTICS, therapeutic use,
polymyxin in pediatric dis. (Cz))

(PEDIATRIC DISEASES, therapy.
erythromycin & polymyxin. (Cz))

KOPPL, Ladislav; BARTOS, Jiri; VALACH, Vladislav

Use of deep skin grafts; bacteriological & histological study of tissue
in the replacement of the greater vessels. Sborn. lek. 59 no.7-8:249-
254 July 58.

I. I. chirurgicka klinika fakulty všeobecného lekarství MU v Praze,
prednosta akademik prof. Dr Arnold Jirasek. I. patologickoanatomicky
ustav MU v Praze, vedoucí doc. Dr. Blahoslav Bednar. As. Dr. L. K.,
I. chirurgicka klinika, U nemocnice 2, Praha 2.

(SKIN TRANSPLANTATION)

bacteriol. & histol. comparison of preserv. of grafts in
various types of solutions at low temperatures (Cz))
(COLD, eff.

freezing on bact. of preserved skin grafts (Cz))

~~CA~~ KOPPOVICH, A. ^{133 AND 140 CROS}

PROCESSES AND PROPERTIES IN

The soluble nitrogen in soils and its relation to yields. A. NÄMÉC AND A. KOR-
ROY. *Vestn. Ostatk. Jedenct. Repub. Čs.* 5, 71 (1930); *Lisit. Českov.* 48, No. 30.
Rouského 25.—The N content is at a min. in most soils and less attention is paid to it
than to P and K. The best physiol. method is that of Mittererlich; a chem. method
yielding good results (König-Hassreibumer) dets. the sol. N by titr. in a 1% K_2SO_4 .

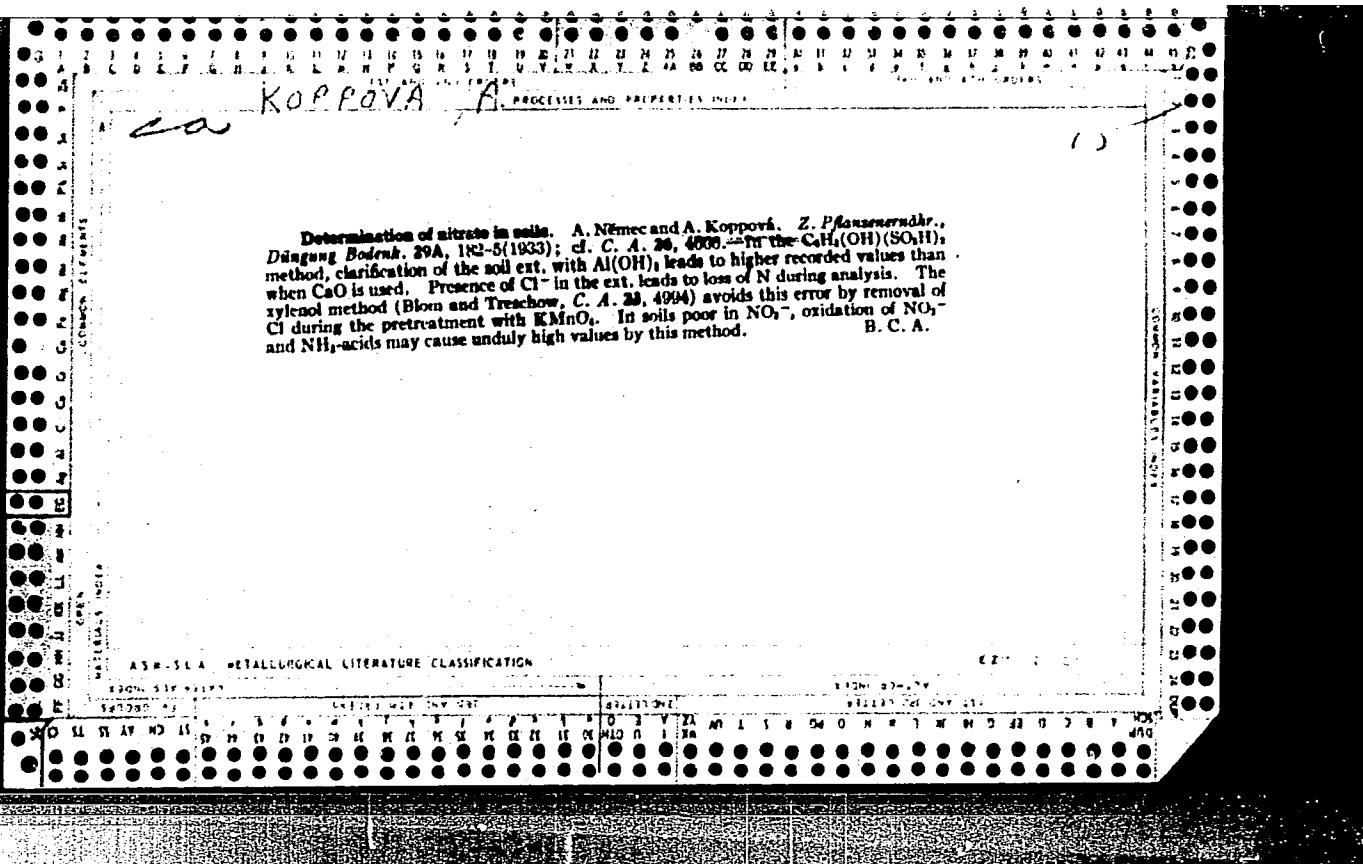
soil. The limits are set at 140-150 mg. per kg. of soil. Beets decreased the sol. N in all soil 50%; ry decreased it 10%. Most all of the soils were deficient according to all field trials and the K.-H. method. Soils which were decreasing in sol. N reacted very well to fertilizers. In spite of varied physiol. reactions to fertilizers, the sol. N has remained const. for 2 yrs. The K.-H. method is reliable in soils demanding intensive N fertilization.

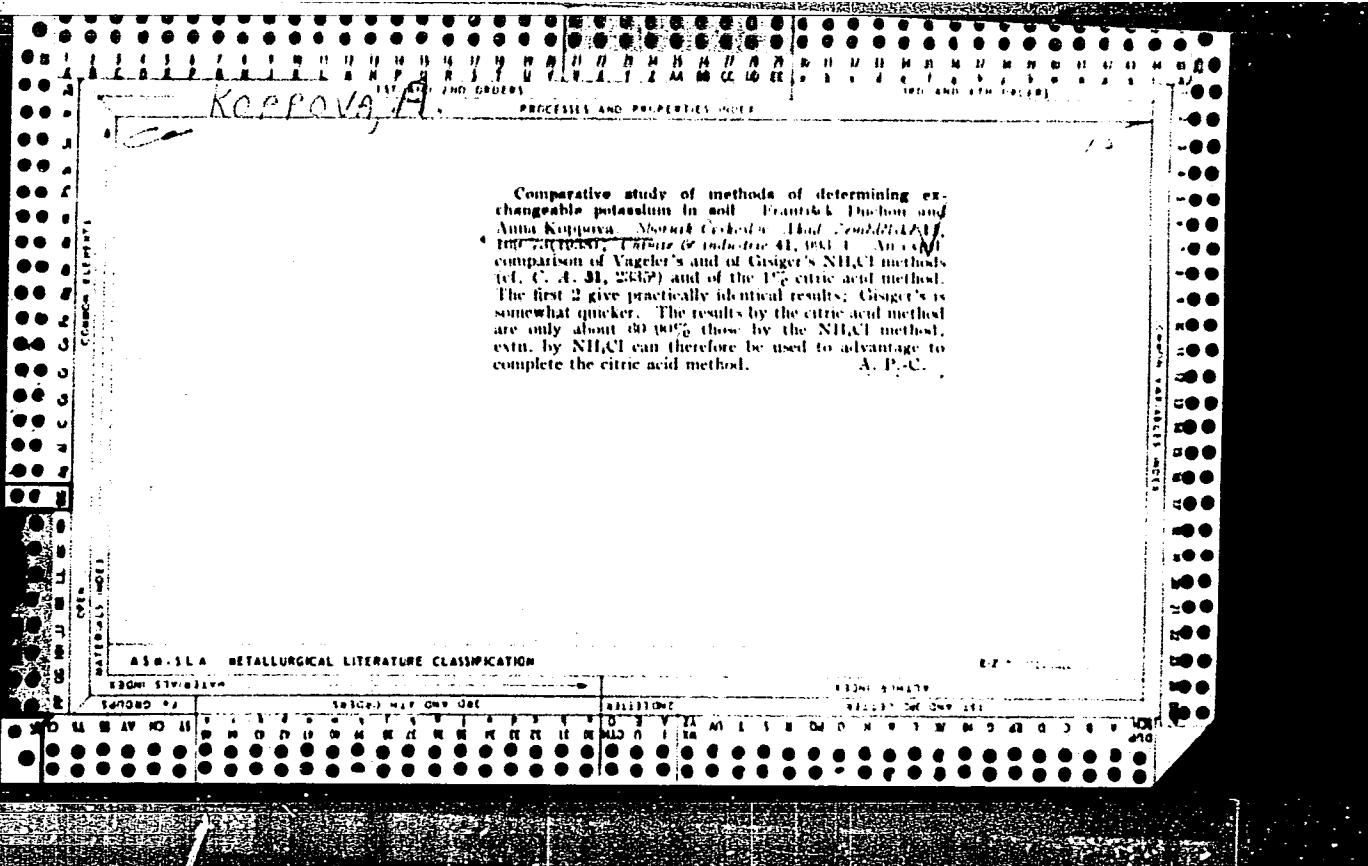
FRANK MARSH

ASME-31A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"





CH

KOPPOVÁ, Anna

15

Iodine content of soils. Anna Koppová (Agr. Research Inst., Prague, Czech.), *Šhorní Českobor. Akad. Zemědělské* 21, 81-7 (1948). - In the soils from the district of Nymburk, consisting of a great variety of soil types, I varies from 0 to 9 p.p.m. A high I content was usually found in humus carbonate soils of the type rendzinas. In the soils from the Darkov spa, I was low, 2 to 3 p.p.m., with the exception of 6 samples with a very high I, from 10 to 32.5 p.p.m.

Jan Micka

KOPPOVA, Anna, inz.; BAIER, Jan, inz.

Determining the soil nitrogen by the incubation method. Rostlin
Vyroba 9 no.2:173-186 p '63.

1. Ustredni vyzkumny ustav rostlinne vroby, Ruzyne.

KUTTOVA, E.
CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application. Medicinal Substances. Vitamins.
Antibiotics. H-17

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58407
Author : Hach, V., Koppova, E.
Inst :
Title : On the Question of the Chemical Properties of 2-Diethylaminooethylamid of n-aminobenzoic Acid.
Orig Pub : Ceskosl. farmac., 1956, 5, No 10, 582-583.
Abstract : The 2-diethylaminooethylamid of n-aminobenzoic acid (I) is obtained by the reaction of n-nitrobenzol-chloride (II) with 2-diethylaminooethylamine (III). 24 g of III are dissolved (boiling point 143-149°) in 200 ml of dry C₆H₆ and, during cooling and blending, a solution is added of 37 g of II in 200 ml of C₆H₆. After 15 hours at 20°, 54 g (90%) of monochlorohydrate 2-diethylaminooethyl amide of n-nitrobenzoid acid (IV) is extracted;
Card 1/2

- 44 -

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPR, Karel

"Technical rubber" by V.A. Lepetov. Reviewed by Karel Kopr.
Stroj vyr 11 no.7:371 '63.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"

KOPRANY, Tibor, Dr.

Present knowledge on cystic tumors of the vagina in connection with a vaginal cyst causing obstruction in labor twice. Magy. noorr. lap.
21 no. 3:177-183 June 58.

1. A Siofoki jarasi szulootthon kozlemenye (Jarasi foorvos: Sandor Ferenc dr.)
(VAGINA, cysts
causing obstruct. in labor twice, case report (Hun))
(LABOR, compl.
obstruct. caused twice by vaginal cyst, case report (Hun))

40824-66 EWP(t)/EWP(b) IJP(c) JG/JD
ACC NR: AP6004444

SOURCE CODE: CZ/0043/65/000/004/0294/0298

AUTHOR: Koprda, V.; Fojtik, M.--Foytik, M.

ORG: Institute of Industrial Hygiene and Occupational Diseases, Bratislava
(Ustav hygieny prace a chorob z povolania)

38

③

TITLE: Effect of temperature on separation of Cr and Mn by ion exchangers

SOURCE: Chemicke zvesti, no. 4, 1965, 294-298

TOPIC TAGS: chromium, manganese, intermolecular complex, chemical separation, ion exchange resin, radioisotope, chemical labelling, radiation chemistry

ABSTRACT:

Separation of Cr and Mn in the form of chloro complexes in 10.5 M HCl at elevated temperatures using anion exchange resin Dowex 2x8 (100-200 mesh) is described. The method was evaluated by using radioisotopes Cr⁵¹ and Mn⁵⁴. The separation coefficient equals 1 at room temperature and increases with increasing temperature. At 70°C it is nearly 4. Above 55°C quantitative separation of Cr and Mn is possible. Orig. art. has: 5 figures. [JFRS]

SUB CODE: 07 / SUBM DATE: 29Aug64 / OTH REF: 010

EC
Card 1/1

ACC NR: AP6031197

ENP(e)/ENP(t)/ETI IJP(c) PM/JG/JD

SOURCE CODE: CZ/0043/66/000/003/0180/0187

AUTHOR: Fojtik, Marian--Foytik, M. (Engineer); Koprda, Vasil (Engineer)ORG: Research Institute of Industrial Hygiene and Occupational Diseases,
Bratislava (Vyskumny ustav hygieny prace a chorob z povolania)

22

B

TITLE: Chromatographic separation and determination of Cr⁵¹, Mn⁵⁴,
Co⁶⁰ and Fe⁵⁹

SOURCE: Chemicke zvesti, no. 3, 1966, 180-187

TOPIC TAGS: paper chromatography, quantitative analysis

ABSTRACT: The authors developed a method of paper chromatography, using Whatman I. chromatographic paper and an acetone- 7 N HCl (90:10) solvent system. A separation with the following R_F values was attained: Cr 0.03, Mn 0.32, Co 0.69, and Fe 0.96. The R_F values are independent from the amount of the isotopic carrier in a wide range. Quantitative determination was made by planimetric evaluation of the radiographic records. Determination threshold of the method is 1.70nCi for Cr⁵¹, 0.36nCi for Mn⁵⁴, 0.12nCi for Co⁶⁰, and 0.18 nCi for Fe⁵⁹. The method is suitable for the determination of the metals in biological materials. Orig. art. has: 5 figures, 2 formulas and 3 tables. [Based on authors' Eng. abst.] [JPRS: 36,002]

SUB CODE: 07 / SUBM DATE: 24Jun65 / ORIG REF: 003 / SOV REF: 001

Card 1/1

hs

0911 2630

KOPRINSKI, St., inzh.

Suction equipment in woodburning. Durvomebel prom 6 no.1:17.
18 Ja-F '63.

1. DIP "Izkustvo", s. Oreshak, Loveshki okrug.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPRINSKI, Stefan TS.

New demonstration of a theorem from the theory of homologies.
Godishnik Inzh stroit inst 16 no.1:137-140 '64.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"

KOPRINSKI, Stoian, inzh.

For a better undusting of disc grinding machines. Durvomebel
from 6 no.1:18,23 Ja-F '63.

1. DIP "Izakustvo", s. Oreshak, Loveshki okrug.

KOPRINSKI, Stoian, inzh.

Band burnisher with mechanized feed of articles. Durvombel prom
6 no.4:42-44 Jl-Ag '63.

1. TPK "Izku^{stvo}", s. Oreshak, Loveshki okrug.

KOPRIVA, Bedrich

Potato starch rheology. Pt.3. Listy cukrovar 80 no.5:
120-127 My '64.

1. Chair of Saccharide Chemistry and Technology, Higher
School of Chemical Technology, Prague.

KOPRIVA, Bedrich

Potato starch rheology. Pt. 4. Listy cukrovar 80 no. 6:156-162
Je '64.

1. Chair of Saccharide Chemistry and Technology, Higher School
of Chemical Technology, Prague.

KOPRIVA, Bedrich

Potato starch rheology. Pt. I. Listy cukrovar 79 no. 6:
141-145 Je '63.

1. Katedra chemie a technologie sacharidu, Vysoka skola
chemicko-technologicka, Praha.

KOPRIVA, Bedrich

Rheology of potato starch, Pt.2. Listy cukrovar 79 no.9:
224-228 8'63.

1. Katedra chemie a technologie sacharidu, Vysoka skola
chemickotechnologicka, Praha.

BRETSCHNEIDER, Rudolf; KOPRIVA, Bohumil

Saccharose as a raw material for the chemical industry. Prum
potravin 15 no.8:411-414 Ag '64.

1. Higher School of Chemical Technology, Chair of Saccharose
Chemistry and Technology, Prague.

CZECHOSLOVAKIA/Zooparasitology - Parasitic Worms.

G

Abs Jour : Ref Zhur Biol., No 1, 1959, 989

Author : Kopriva, J.

Inst :

Title : Indicence of Trematode Plagiorchis maculosa (in City
Swallows in Czechoslovakia)

Orig Pub : Zool. listy, 1958, 7, No 1, 21-23

Abstract : No abstract.

Card 1/1

KOPRIVA, J.

AGRICULTURE

Periodical: VESTINIK, Vol. 6, no. 2, 1959.

KOPRIVA, J. Technique of sowing mixed clover-grass cultures in agricultural practice. p. 78.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 5
May 1959, Unclass.

KONTAKT

Elektrotechnicky
Obzor
Vol 46, Nr 12, 1957

[Kontakt: Measurements of the Magnetic Properties of Magnetically Soft Materials by Means of an Electron Tube Oscilloscope]

Measurements of the Magnetic Properties of Magnetically Soft Materials by means of an Electron Tube Oscilloscope.
The paper presents the known method for observing and calibrating the dynamic hysteresis loop on the screen of a cathode oscilloscope. The measuring procedure employs a two-stage electron tube integrator which permits to measure the finished closed magnetic circuit by means of two windings with a very small number of turns. Moreover, the demands upon the frequency characteristics of the oscilloscope and the integrator are subjected to an analysis. In addition to that, the author demonstrates two methods for comparing two magnetic circuits whose magnetic properties are to be tested, based upon the comparison of their differential permeabilities.

KOPRIVA, J., inz.

Condenser charging as a finite action. El tech obzor 52 no.6:
329 Je '63.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPRIVA, Jiří (Praga)

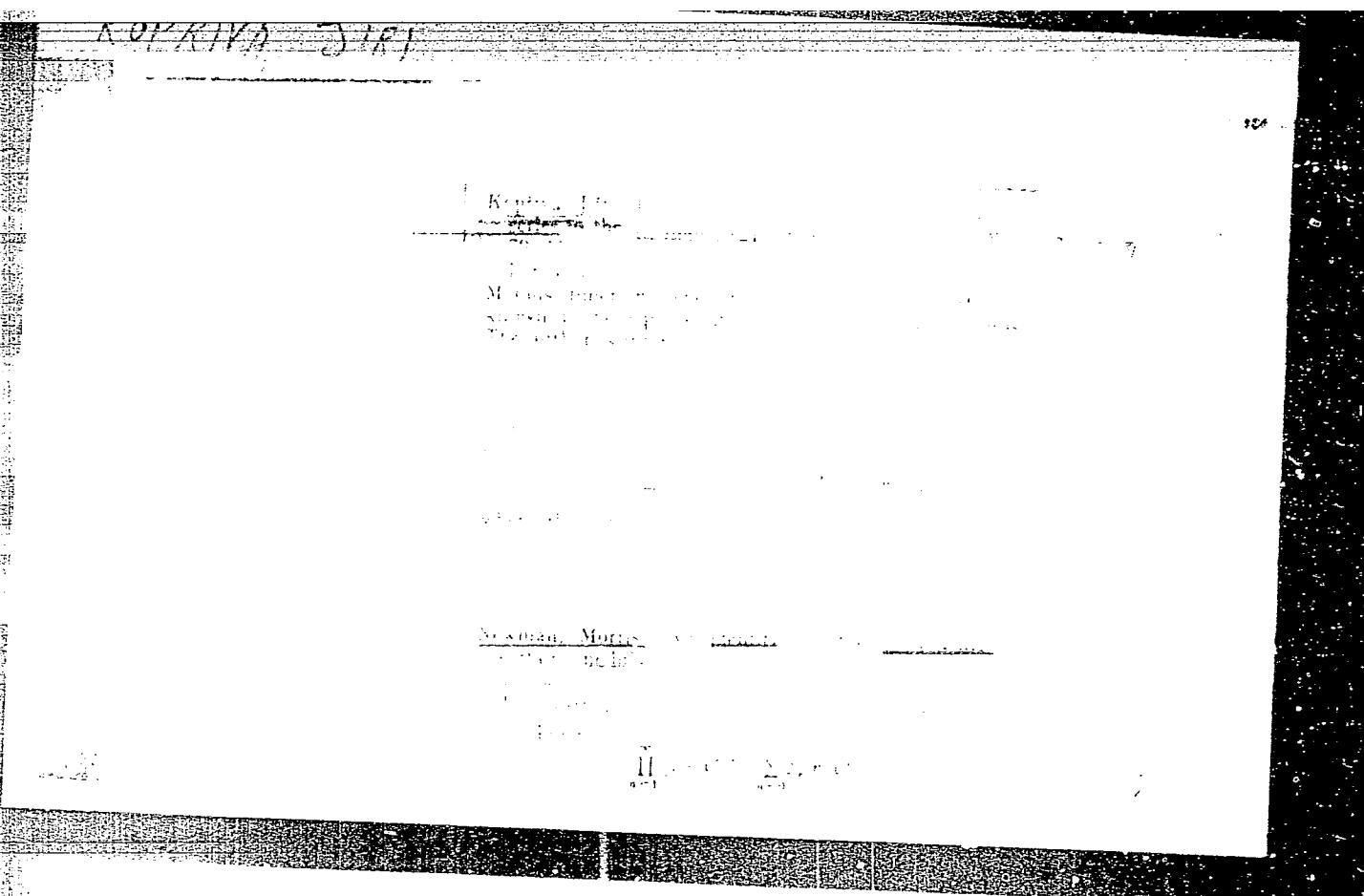
Connection of the Farey series with Riemann's hypothesis on zeros
of functions S. Chekh.mat.zhur. 3 no.1:87 Mr '53. (MLRA 7:5)
(Series, Farey's) (Functions, Zeta)

APPROVED FOR RELEASE: 03/13/2001

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✓ Kopřiva, J. M. Remark

✓ SYSTEMATIC INDEXES

✓ NIKOLAS [U. R. Acad. Sci. Paris, 1970, p. 2202]

(A) $\sum_{n=1}^{\infty} f(p_n) - f(x) \int_0^x f(x) dx = O(x^{1+\epsilon})$

Vr

Kopřiva, Jiří. Zum Problem der Iteration in der Topologie. Práce Brn. Českoslov. Akad. Věd 29 (1957), 256–276. (Czech, Russian and German summaries)

Let I be a (fundamental) set, P_I the system of all the subsets of I and μ a topology on I , i.e., a mapping of P_I into P_I ; one has then the topological space (I, μ) as well as the spaces (I, μ^k) for every positive integer k , where $\mu^1 X = \mu X$, $\mu^{k+1} X = \mu(\mu^k X)$. If φ is a mapping of $P P_I$ into P_I , i.e., if for every system S of subsets of I we have a subset φS of I , then one defines the corresponding iterations μ^n for any ordinal $n > 0$ in the following way: $\mu^1 X = \mu X$, $\mu^{n+1} X = \mu(\mu^n X)$, $\mu^\lambda X = \varphi S_\lambda$, where S_λ denotes the system of sets $\mu^k X$ ($k < \lambda$); λ denotes a limit ordinal. The question arises to study the sequences $\mu^k X$ (k varying) for every $X \subseteq I$ and in particular to determine the first ordinals k satisfying $\mu^{k+1} X = \mu^k X$ (the case where φ denotes the union was considered by K. Koutský). An ordered pair (α, π) of ordinals is referred to as ordered pair [o.p.] associated to a set $X \subseteq I$, provided the relations $\eta = \alpha + \pi \tau_\eta + r_\eta$, $0 \leq r_\eta < \pi$ imply $\mu^\eta X = \mu^{\alpha+\pi\tau_\eta} X$. Let M_X be the class of all the o.p. associated to X . A period of X is any ordinal $\pi > 0$ satisfying $(\alpha, \pi) \in M_X$ for some α ; let

$\mathfrak{P}X$ be the class of all the periods of X . The beginning of a period π of X is any ordinal α satisfying $(\alpha, \pi) \in MX$; let $A_\pi X$ be the class of all such α 's and let $AX = \bigcup_\pi A_\pi X$ ($\pi \in \mathfrak{P}X$). Let $\mathfrak{B}_\alpha X$ denote the class of all the π for which $(\alpha, \pi) \in MX$. Let $\alpha X = \inf AX$, $\alpha X = \inf \mathfrak{B}X$. One has $\omega \in \mathfrak{B}X$ (Th. 1). If $\alpha \in AX$, $\pi \in \mathfrak{B}X$, then $(\alpha, \pi) \in MX$ (Th. 10). For ordinals $\alpha \geq 0$, $\pi > 0$ the relation $(\alpha, \pi) \in MX$ is equivalent with the system $\alpha = \alpha(X) + \pi(X)\lambda$, $\lambda \geq 0$, $\pi = \pi(X)\mu$, $\mu > 0$ (Th. 11). Let Q be the class of all the $(\alpha X, \pi X)$ with $X \subseteq 1$. The author gives a necessary and sufficient condition for the existence of u and φ such that the equality $B = Q$ holds, B denoting the class of all the ordered pairs (α, π) . *D. Kurepa* (Zagreb)

KOPRIVA, Jiri

New books on cybernetics and automatic computers. Pokroky mat fyz
astr 7 no.2:115-118 '62.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPRIVA, Jiri

Automata and the brain. Pokroky mat fyz astr 7 no.2:59-75 '62.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPRIVA, Jiri

"Machines help in thinking" by Miroslav Valach. Reviewed by
Jiri Kopriva. Pokroky mat fyz astr 7 no.6:361 '62.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"

KOPRIVA, Jiri

"Machine and thought" by Z.Rovenskij [Rovenskiy, Z.], A.Ujomov [Ujemov, A.] and J.Ujomovova [Ujemoval, Ye.]. Reviewed by Jiri Kopriva. Pokroky mat fyz astr 7 no.6:360-361 '62.

KOPRIVA, Jiri

"Essays on cybernetics" by L. Teplov. Reviewed by Jiri Kopriva.
Pokroky mat fyz astr 7 no.5:299-301 '62.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9

KOPRIVA, Jiri

"Mathematical machines; cybernetics" by Josef Matelka. Reviewed
by Jiri Kopriva. Pokroky mat fyz astr 8 no.4:249-250 '63.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510020-9"

KOPRIVA, Jiri

"Philosophical problems of cybernetics." Reviewed by Jiri
Kopriva. Pokroky mat fyz astr 8 no.6:349-354 '63.

KOPRIVA, Jiri

"Algorithms and the solution of tasks by computers" by B.A.
Trachtenbrot [Trakhtenbrot, B.A.]. Reviewed by Jiri Kopriva.
Pokroky mat fyz astr 9 no.1:54 '64.

KOPRIVA, Jiri, doc. dr. CSc.

A note on the structure of certain predicates concerning
the sublanguages of ALGOL 60. Kybernetika 1 no.2:122-126
'65.

l. Laboratory of Calculating Machines, Brno. Trida obrancu
miru 21. Submitted July 19, 1964.

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as th:

EXCERPTA MEDICA Sec. 7 Vol. 9/6 June 55
KOPŘIVA KAREL

[328. KOPŘIVA K. and BROŽ O. Dětské Odd. OÚNZ, Turnově. *Stafylokoková pa-
blánová gastroenteritis u dítěte jako komplikace při léčbě antibiotiky. Sta-
phylococcus aureus gastro-enteritis in children as a
complication in treatment with antibiotics PEDIAT. LISTY
1954, 9/2 (105-107) Graphs 1 Illus. 2

The gastro-duodenal passage is very rarely attacked by the yellow staphylococcus.
Staphylococcus enterotoxigenic from food is manifested mostly by vomiting and
diarrhoea as well as serious general symptoms. Small haematogenous abscesses
in the intestinal wall are mostly the partial manifestation of staphylococcus sep-
ticaemia. Direct infection of the intestinal mucosa by staphylococci is accompa-
nied by a typical diphtheritic inflammation of the intestinal mucosa and serious
clinical symptoms. The authors describe a case of superimposed staphylococcal
intestinal infection after chlortetracycline in a 2.5-yr.-old girl treated for pyuria.
During treatment the child ran a high temperature, had obstinate vomiting and

1328 Cont.

diarrhoea. The condition grew rapidly worse, and, in spite of transfusion and other routine measures, the child died. Post-mortem examination revealed bilateral hydronephrosis and hydroureter and enteritis acuta pseudomembranacea. The bacteriological examination revealed the presence of Gram-positive cocci, *Staphylococcus pyog. aureus haemolyticus* which resisted every kind of antibiotic.

Kluska - Brno

KOPRIVA, Karel

Staphylococcal enterocolitis; complication of antibiotic therapy.
Cesk. pediat. 12 no.3:221-226 Mar 57.

1. Detske oddeleni OUHZ v Turnove. Primar MUDr. K. Kopriva.
(COLITIS, in inf. & child
enterocolitis, micrococcal, etiol. role of antibiotic
ther., review (Cz))
(ANTIBIOTICS, inj. eff.
enterocolitis, micrococcal in inf. & child (Cz))
(MICROCOCCAL INFECTIONS, in inf. & child
enterocolitis, etiol. role of antibiotic ther., review
(Cz))

KOPRIVA, M.

Determination of economical thickness in pipeline insulation. p. 66.

ZDRAVOTNI TECHNIKA A VZDUCHOTECHNIKA. (Ceskoslovenska akademie ved. Ceskoslovenska vedecka technicka spolecnost pro zdravotni techniku a vzduchotechniku) Praha, Czechoslovakia. Vol. 1, no. 2, 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959. Uncl.

KOPRIVA, M.

Contribution to safety rules in gas welding and oxyacetylene cutting. p. 311.

ZVARANIE. (Ministerstvo hutneho prymyslu a rudnych bani a Ministerstvo
strojarensztva)
Bratislava, Czechoslovakia. Vol. 8, no. 6, June 1959.

Monthly list of East European Accessions (EEIA) Vol. 9, no. 1, Jan 1960.

Uncl.

KOPRIVA, M.

"Signaling from a cage to the hoisting machine operator." p. 134.

UHLI. (Ministerstvo paliv). Praha, Czechoslovakia, Vol. 1, No. 4,
Apr. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Unclu.

L AVTOZ-00 EWP(a)/EWP(t)/EWP(z)/EWP(b) JD
ACC NR: AF6003538

SOURCE CODE: CZ/0030/65/000/001/0016/0020

AUTHOR: Kopriva, M. (Engineer)

ORG: Department of Precision Mechanics and Optics, Faculty of Natural History,
Palacky University, Olomouc (Katedra jemna mechaniky a optiky prirodovedecké
fakulty UP)

TITLE: Annealing of carbon steels

SOURCE: Jemna mechanika a optika, no.1, 1965, 16-20

TOPIC TAGS: carbon steel, annealing

ABSTRACT: The influence of high annealing temperatures on the structure and properties of carbon steels is discussed, specific heating procedures are described and a calculation and graphic representation of suitable annealing conditions are given. Orig. art. has: 14 figures. [JPRS]

SUB CODE: 11 / SUBM DATE: 26Oct64 / ORIG REF: 005 / OTH REF: 001

OC
Card 1/1

UDC: 611.785.3

Card 1/1

Kopelev Miroslav

Note
Inoculation of aluminum with
a ~~substance~~ ~~substances~~ which
and a NaCl solution
which prevent the formation of
mechanical properties due to
the formation of a film of
KCl. Principles of
the formation of a film of
KCl.

KOPRIVA, Miroslav, inz.

Causes of cracks in rotary pelletizing furnace jackets. Hut
listy 18 no. 98653-659 S'63.

1. Prerovske strojirny, n.p., Prerov.

YUGOSLAVIA/Analytical Chemistry. Analysis of Organic
Substances.

E-3

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43089.

Author : Kraljic I., Kopriva M. Pungertsek M.

Inst : Yugoslav Academy.

Title : Detection of Nitroso Compounds.

Orig Pub: Bull. scient. Conseil Acad. RPF Yougosl., 1957, 3,
No 4, 104-105.

Abstract: Description of a new spot reaction for nitroso compounds (I). On a plate is placed one drop of each of the following solutions: 1 M acetate buffer of pH 4.1 or 4.4 (0.02 ml), freshly prepared 1% solution of $K_4[Fe(CN)_6]$ (0.02 ml), 10^{-4} M solution of $HgCl_4$ (0.02 ml), and one drop (0.04 ml) of the solution being analyzed. The

Card : 1/2

KOPRIVA, Miroslav, inz.

Use of ceramic fluxes on worksites. Zvaranie 11 no.12:319-321
D '62.

1. Prerovske strojirny, n.p., Montaze, Prerov.

KOPRIVA, Robert, inz.

Multipurpose equipment for mass renewal of worn parts by
automatic surfacing methods. Zvaranie 12 no.10:291-293 0 '63.

1. Strojstav, Bratislava.

KOPRIVA, Robert, inz.

Combined equipment for worn part regeneration by automatic depositing.
Zvaranie 12 no. 3:70-74 Mr '63.

1. Strojstav, Bratislava.

KOPRIVA, Rudolf

Siefert's method in the factory Sigma Hranice. Prace mzda 10 no.1:
25-29 Ja '62.

1. Pracovník závodu Sigma Hranice; člen mzdové komise Ktajského
vyboru odborové skupiny zaměstnanců ve strojírenství Severomoravského
kraje.

KOPRIVA, Rudolf

Raising the qualification should apply to everyone. Prace mzda
10 no.9:414-415 S '62.

1. Chlen mzdove komise pri Krajskem vyboru odboroveho sdruzeni
zamestnancu ve strojirenstvi Severomoravskeho kraje.

KOPRIVA, Rudolf

New regulations for granting bonuses and the Seifert method. Prace
mzda 11 no. 3; 134-136 Mr '63.

1. Clen mzdove komise krajskeho vybory Odboroveho svazu zamestnancu
ve strojirenstvi Severomoravskeho kraje.

ACC NR: AP6033021

SOURCE CODE: CZ/0032/66/016/007/0515/0520

AUTHOR: Kopriva, V. (Engineer, Candidate of sciences, Clement Gottwald state prize laureate)

ORG: State Research Institute for Machine Building, Bechovice (Statni vyzkumny ustav pro stavbu stroju)

TITLE: New method of measuring dynamic stress in flow machine blades while in operation

SOURCE: Strojirenstvi, v. 16, no. 7, 1966, 515-520

TOPIC TAGS: dynamic stress, rotor blade, stress analysis, blade vibration, turbine design

ABSTRACT: Measuring dynamic stress in rotor blades while in operation presents problems due to the short life of sensors in temperatures of 100 to 120 C. and the transmission of signals to a cooler environment. Development offices in large machine works have shown great interest in reports on the method of the Briston Siddeley Engine Works of signaling vibrations in rotary blades by means of permanent magnets fixed in blade tips and rotating before receptor coils in the stator, which induce an alternating electromotive force which varies in frequency according to blade speed. The SVUSS has developed vibration measuring equipment which has proved efficient in operating conditions. Its physical principle is that a permanent magnet passing above

Card 1/2

ACC NR: AP6033021

a conductor will induce an electromotive force which is commensurate with magnetic intensity, magnet diameter, distance, and the speed of motion. A coil with a specific length of wire at a specific spacing pitch will induce an electromotive force which can be regulated by its distance from the magnet and the magnet length until its duration becomes harmonic and its amplitude practically stable. Amplitude modulation is then analyzed in relation to blade vibration rates, angles, rotary speed and vectors, but the system developed is based on frequency modulation, which is proportionate to the magnet speed amplitude, but is much less subject to signal interference. The block system for frequency modulation is described. Two methods of winding precision gauging apparatus, and testing conditions in operation and also in a testing steam turbine are described in detail. The paper was presented by Professor, Engineer A. Vrba. Orig. art. has: 16 formulas and 14 figures.

SUB CODE: 10/~~xx~~ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 009

Card 2/2

KOPRIVA, Vladimir, inz., ScC.

Influence of rotation on the blade natural frequency.
Stroj cas 14 no.4:348-366 '63.

1. Statni vyzkumnny ustav tepelne techniky, Praha.

KOPROVA, VI

✓ 2284* Resonance Vibrations of Structures When Passing
Through Critical Speeds. Resonanční kmitání konstrukcí při
rychleném pohybu kritických otáček. (Czech.) VI. Kortivila
and Fr. Turek. Strukturistu, v. 5, no. 9, Sept. 1954, p. 632-
657; disc. p. 658-659.

Decrease of amplitudes of vibrations during rapid passage
through critical zones, and determination of shape of resonance
curves for rotational and piston machines. Diagrams, graphs,
table, photograph. 4 ref.

(1)

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fsl

KOPRIVA, V.

Control methods for electric machinery in the textile industry. p.71.
(Textile, Vol. 12, No. 2, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

HNAT, J., inz.; KOPRIVA, Vl., inz.

Exposure measurement in microphotography and microcinematography.
Jemna mech opt 6 no.12:380 D '61.

JAROS, Rudolf; KOPRIVA, Vaclav

Methods of analyses, standardization and recording for controlling the use of electric power in rolling mills. Energetika Cz 11 no.12:604-608 D '61.

L-18846-63

EWT(m)/BDS/EWP(r) AFFTC/ASB/APGC EM

ACCESSION NR: AP3005770

Z/0041/63/000/004/0348/0366

*54
55*AUTHOR: Kopriva, Vladimir (Engineer, Science Candidate)TITLE: Effect of rotation on natural frequencies of a blade ²⁶

SOURCE: Strojnický časopis, no. 4, 1963, 348-366

TOPIC TAGS: natural frequency, blade torsional oscillation, blade, blade twist

ABSTRACT: The centrifugal force acting on an oscillating ^{ak} blade in rotation increases its stiffness, hence its frequency. This is particularly true in cases of oscillations due to bending of relatively long blades. In torsional oscillation the correction of frequency on account of rotation is insignificant and is usually neglected. All known methods of correcting the frequency of a tapered and twisted blade on account of rotation, although reliable and correct, require complex calculating procedures. With certain assumptions the author arrives at simple relations that are represented in nomograms in a generalized manner so that necessary data could be quickly obtained for current numerical cases by reading. One of these assumptions is that, because the blade twist is known to have little effect on the frequency, the correction of relations on account of

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ACCESSION NR: AP3005770

rotation in a flat, untwisted blade can be applied to twisted blades. In his mathematical procedures the author departs from the Rayleigh's relations of equilibrium between the kinetic energy of an oscillating blade passing through the plane of equilibrium and the potential energy related to the extreme plane, which determine the circular frequency of the blade. However, an accurate computing the frequency of a rotating blade depends on the correct evaluation of the speed factor member of the equation. The latter can be determined on the basis of the angle of oscillation of a blade element with reference to the axis of blade rotation, which, in case of a twisted blade, is variable and requires complex computations. To simplify this the author proposes a method for an approximate determining the frequency direction angle on the assumption that the curvature of the median plane of an oscillating blade in the direction normal to the main axis of its minimum moment of inertia is directly proportionate to that of bending oscillations of a flat, untwisted tapered blade. A nomogram has been constructed for these angles with reference to blade twist angles and with respect to relative stiffness ratios. Speed factors have been then computed and data plotted against relative blade diameters for different blade crosssections

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